



NIKOLA TESLA NETWORK

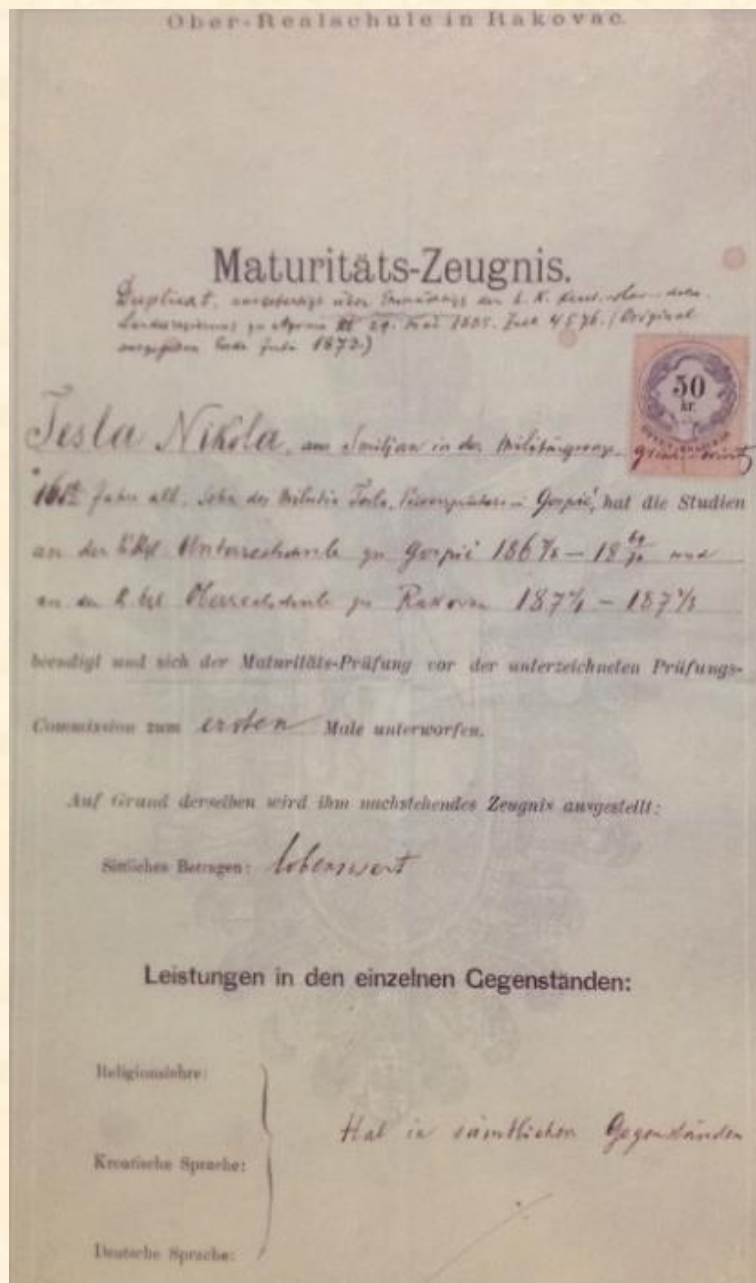
The present is theirs; but
the future is mine...



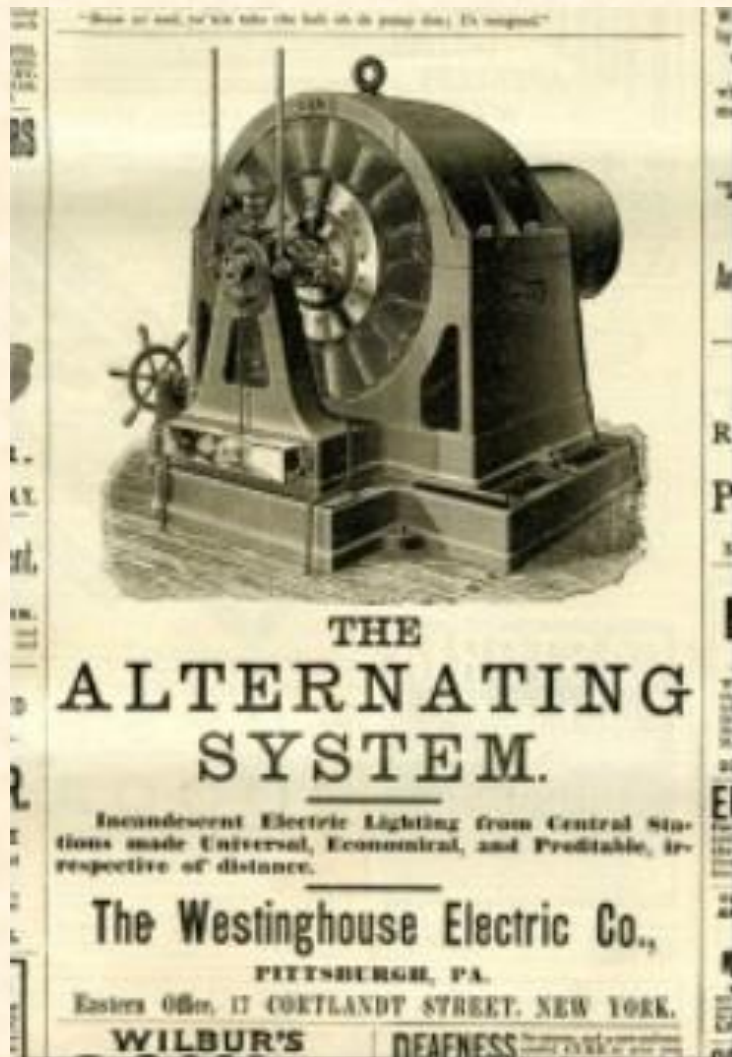
NIKOLA TESLA
NETWORK -
MREŽA NIKOLA TESLA

NIKOLA TESLA

NIKOLA TESLA WAS BORN ON 10 JULY 1856 IN THE VILLAGE OF SMILJAN NEAR THE TOWN OF GOSPIĆ, WHERE HE STARTED HIS EDUCATION. IN 1870, HE MOVED TO KARLOVAC TO ATTEND THE HIGHER REAL GYMNASIUM, WHERE HE ACQUIRED HIS FIRST MAJOR TECHNICAL KNOWLEDGE. HE GRADUATED IN 1873 AND ENROLLED AT THE AUSTRIAN POLYTECHNIC IN GRAZ, BUT FAILED TO COMPLETE HIS SECOND YEAR OF STUDIES, SO HE DROPPED OUT OF UNIVERSITY. IN 1880, HE STARTED WORKING IN BUDAPEST, WHERE HE PARTICIPATED IN THE CONSTRUCTION OF THE FIRST TELEPHONE EXCHANGE.



IN 1882, TESLA DISCOVERED THE ROTATING MAGNETIC FIELD AND IN 1883, HE CONSTRUCTED THE FIRST INDUCTION MOTOR MODEL. IN 1884, HE MOVED TO NEW YORK AND GOT A JOB AT EDISON'S COMPANY. AFTER HIS FALLOUT WITH EDISON, TESLA FOUNDED HIS OWN COMPANY, TESLA ELECTRIC & MANUFACTURING COMPANY (IN 1887).



HE SUBMITTED NUMEROUS PATENTS: A POLYPHASE ELECTRICAL POWER TRANSMISSION SYSTEM, AN INDUCTION MOTOR, GENERATORS AND TRANSFORMERS WHICH HE SOLD TO GEORGE WESTINGHOUSE IN 1888. IN 1890, HE BEGAN TO EXPLORE HIGH-FREQUENCY CURRENTS AND INVENTED THE TESLA COIL (TRANSFORMER) WHICH IS USED IN RADIO AND TELEVISION DEVICES. IN 1893, THE CHICAGO COLUMBIAN EXPOSITION WAS HELD, WHERE TESLA'S ALTERNATING-CURRENT SYSTEM WAS PROPOSED FOR USE AT THE NIAGARA FALLS HYDRO-ELECTRIC POWER PLANT.

IN 1895, HIS LABORATORY WAS DESTROYED IN A FIRE, SO HE WAS NOT ABLE TO PUBLISH HIS DISCOVERY OF ELECTRONS AND X-RAYS. IN 1896, THE HYDRO-ELECTRIC POWER PLANT AT NIAGARA FALLS, WHERE TESLA'S PATENTS WERE USED, WAS COMMISSIONED. IN 1898, HE DEMONSTRATED A RADIO-CONTROLLED BOAT; IN 1900, HE BEGAN CONSTRUCTING THE WIRELESS ENERGY TRANSMISSION ON LONG ISLAND WHICH HE NEVER COMPLETED, AND IN 1907, HE INVENTED THE BLADELESS TURBINE (TESLA'S TURBINE).

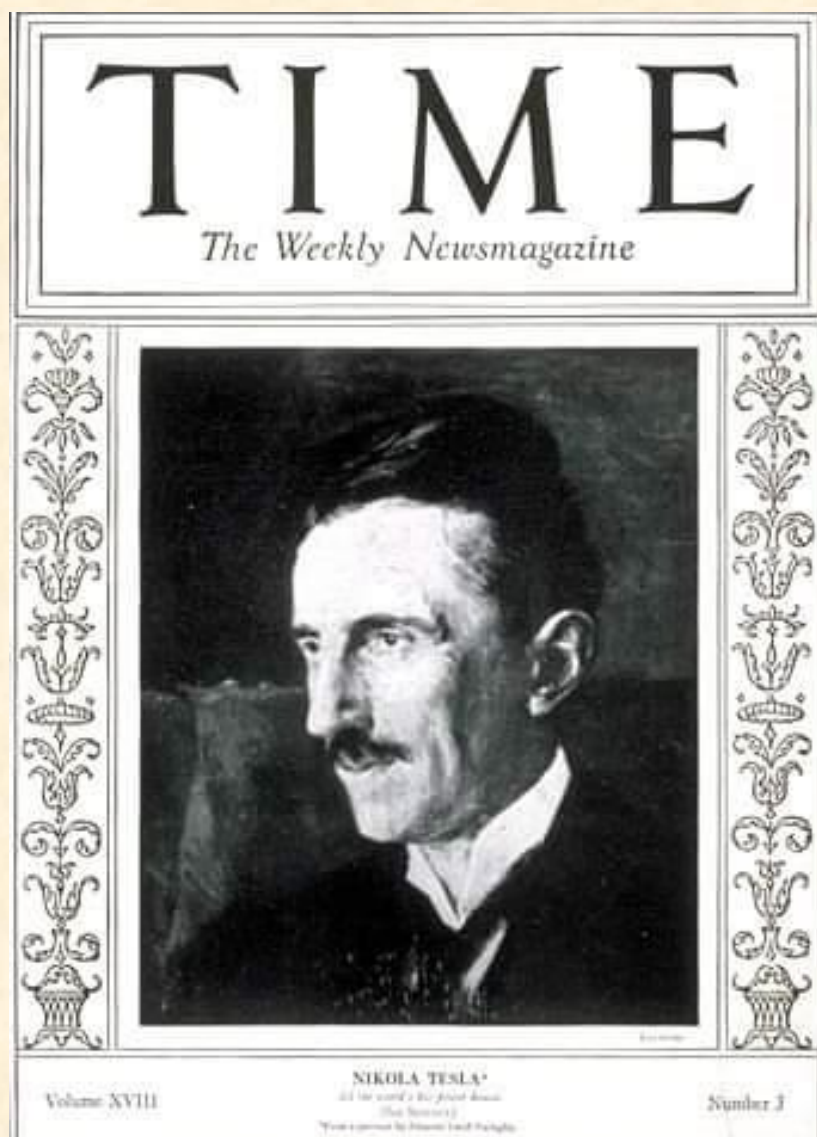


TESLA'S TOWER ON LONG ISLAND

OUT OF HIS NUMEROUS PATENTS (MORE THAN 700, 112 SUBMITTED IN THE USA), THE FOLLOWING ONES ARE SOME OF THE MOST VALUABLE: FLUORESCENT LIGHT, LASERS, WIRELESS COMMUNICATION, WIRELESS ENERGY TRANSMISSION, ROBOTICS, VERTICAL TAKE-OFF AND LANDING AIRCRAFT. HE PREDICTED INTERPLANETARY TRAVEL AND SATELLITES. IN 1896, TESLA PATENTED THE BASIC RADIO SYSTEM AND DESCRIBED ALL OF THE BASIC COMPONENTS OF THE RADIO, WHICH WAS USED IN 1901 BY MARCONI IN HIS FIRST TRANSATLANTIC RADIO TRANSMISSION FOR WHICH HE WON THE NOBEL PRIZE IN 1909. THE SUPREME COURT OF THE UNITED STATES LATER ACKNOWLEDGED TESLA AS HAVING A MORE SIGNIFICANT CONTRIBUTION IN THE INVENTION OF THE RADIO.

IN 1917, HE WAS AWARDED THE EDISON MEDAL (THE MOST IMPORTANT AWARD OF THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS) AND IN 1926, HE RECEIVED AN HONORARY DOCTORATE DEGREE FROM THE UNIVERSITY OF ZAGREB. IN 1937, HE RECEIVED AN HONORARY DOCTORATE DEGREE FROM THE AUSTRIAN POLYTECHNIC IN GRAZ AND THE UNIVERSITY OF PARIS. IN 1960, AT THE 11TH GENERAL CONFERENCE ON WEIGHTS AND MEASURES, THE SI UNIT OF MAGNETIC INDUCTION (MAGNETIC FLUX DENSITY) WAS NAMED THE *TESLA* (SYMBOL: T). THE PLANETOID OR ASTEROID 2244 TESLA AND THE LUNAR CRATER TESLA WERE ALSO NAMED AFTER HIM.

NIKOLA TESLA DIED AT THE AGE OF 86, ON 7 JANUARY 1943, IN ROOM 3327 OF THE 33RD FLOOR APARTMENT OF THE NEW YORKER HOTEL IN NEW YORK CITY.



INITIATIVE

THE PROPOSITION FOR THE ESTABLISHMENT OF THE CULTURAL ROUTE “NIKOLA TESLA NETWORK – MREŽA NIKOLA TESLA” WAS ADOPTED AT THE INITIAL MEETING/WORKSHOP AT THE “NIKOLA TESLA” MEMORIAL CENTRE IN SMILJAN ON 31 JANUARY 2019. WITH APPROXIMATELY 40 PARTICIPANTS FROM VARIOUS STATE AUTHORITIES, PUBLIC REGIONAL AND LOCAL AUTHORITIES AND DEVELOPMENTAL AGENCIES AND SCIENTIFIC INSTITUTIONS WHO PROTECT THE NAME AND WORK OF NIKOLA TESLA, THE DECISION ON THE FORMATION OF THE WORKING GROUP FOR THE ESTABLISHMENT OF THE MANAGING AUTHORITY AND THE DRAWING-UP OF THE STATUTE OF THE SAID AUTHORITY WAS ADOPTED.



SMILJAN, 9 JULY 2019 - THE SIGNING OF THE CHARTER ON COOPERATION ON THE “NIKOLA TESLA NETWORK - MREŽA NIKOLA TESLA” PROJECT



PARTNER COUNTRIES



CULTURAL ROUTES ARE A SIGNIFICANT FACTOR IN THE ACTIVATION AND INTEGRATION OF EUROPEAN AREAS. THEY CONTRIBUTE TO THE PROMOTION OF EUROPEAN IDENTITY AND THE DEVELOPMENT OF CULTURAL CONNECTIONS AND DIALOGUES IN EUROPE AND ALL OVER THE WORLD.

A NUMBER OF INSTITUTIONS FROM 18 PARTNER COUNTRIES WERE BROUGHT TOGETHER TO COLLABORATE AND FORM PARTNERSHIPS ON THE PROJECT OF DEVELOPING THE “NIKOLA TESLA NETWORK – MREŽA NIKOLA TESLA” CULTURAL ROUTE.



OBJECTIVES

PROMOTING AND PROTECTING THE DIGNITY OF NIKOLA TESLA'S NAME AND WORK ALL OVER THE WORLD

CONNECTING EUROPEAN COUNTRIES, CITIES, REGIONS, SCIENTIFIC, PROFESSIONAL, CULTURAL AND TOURIST INSTITUTIONS, ASSOCIATIONS AND OTHER PARTNERS WHO PRESERVE THE HISTORY OF THE LIFE, EDUCATION AND WORK OF THE GREAT NIKOLA TESLA

PROMOTING CROATIAN AND EUROPEAN HISTORY AND HERITAGE OF NIKOLA TESLA

COLLABORATION WITH SCIENTIFIC AND PROFESSIONAL INSTITUTIONS

IMPROVING THE QUALITY OF CULTURAL AND TOURISM PRODUCTS AND SERVICES

PROMOTING CULTURAL, NATIONAL AND EUROPEAN IDENTITY

INTERNATIONAL COOPERATION

RAISING AWARENESS OF THE IMPORTANCE OF CULTURAL AND TOURIST ROUTES

PROMOTION, DEVELOPMENT AND IMPROVEMENT OF ECONOMIC, INFORMATION, CULTURAL AND TOURISM ACTIVITIES



LOCATIONS



SMILJAN – THE LIKA
MUSEUM IN GOSPIĆ,
NIKOLA TESLA MEMORIAL
CENTRE – NIKOLA TESLA'S
BIRTHPLACE

GOSPIĆ – THE BUILDING WHERE NIKOLA
TESLA ATTENDED THE PREPARATORY
PRIMARY SCHOOL AND THE LOWER REAL
GYMNASIUM



KARLOVAC - THE FORMER
HIGHER REAL GYMNASIUM
FROM WHICH TESLA
GRADUATED

OZALJ – HYDRO-ELECTRIC POWER
PLANT OZALJ “MUNJARA” – THE OLD-
EST HYDRO-ELECTRIC POWER PLANT IN
THE CONTINENTAL PART OF CROATIA,
BUILT IN 1908



SKRADIN – HYDRO-ELECTRIC
POWER PLANT JARUGA –
THE SECOND HYDRO-ELEC-
TRIC POWER PLANT IN THE
WORLD, THE FIRST IN EU-
ROPE, BUILT IN 1895

ŠIBENIK - THE FIRST CITY IN THE WORLD
TO GET PUBLIC LIGHTING POWERED BY
ALTERNATING-CURRENT AND SUPPLIED
BY THE TRANSMISSION LINE FROM THE
HYDRO-ELECTRIC POWER PLANT
JARUGA





ZAGREB – IN 1892, AT THE OLD CITY HALL AT ST. MARK'S SQUARE, NIKOLA TESLA GAVE A SPEECH IN WHICH HE PROPOSED THE CONSTRUCTION OF THE ALTERNATING-CURRENT STATION

GRAZ – UNIVERSITY OF TECHNOLOGY – THE FORMER AUSTRIAN POLYTECHNIC IN GRAZ AT WHICH TESLA STUDIED FOR TWO YEARS



MARIBOR – THE PLACE WHERE TESLA LIVED FROM 1878 TO 1879

PRAGUE – NIKOLA TESLA MONUMENT



BUDAPEST – THE PLACE WHERE TESLA WORKED ON CONSTRUCTION OF THE FIRST TELEPHONE EXCHANGE

PARIS – IN 1882, NIKOLA TESLA GOT A JOB WITH THE CONTINENTAL EDISON COMPANY





STRASBOURG – IN 1883, TESLA WAS SENT THERE AS AN EMPLOYEE OF THE CONTINENTAL EDISON COMPANY

NEW YORK CITY – IN 1884, HE FOUNDED HIS OWN COMPANY, TESLA ELECTRIC & MANUFACTURING COMPANY



COLORADO SPRINGS – TESLA'S LABORATORY

LONDON – IN 1892, TESLA STARTS TEACHING COURSES ON ALTERNATING-CURRENT



NIAGARA FALLS - IN 1896, THE FIRST HYDRO-ELECTRIC POWER PLANT IN THE WORLD WAS COMMISSIONED, TESLA'S PATENTS WERE USED

BELGRADE – NIKOLA TESLA MUSEUM



NIKOLA TESLA NETWORK

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